

### EXISTING SIGNAL HEADS

1,2,3,  
4,5,6  
R  
Y  
G  
12"

7,8  
12"

9

OPTICAL  
PRE-EMPTION  
DETECTOR EYE

11  
R3-1  
30" X 30"

12  
R3-2  
30" X 30"

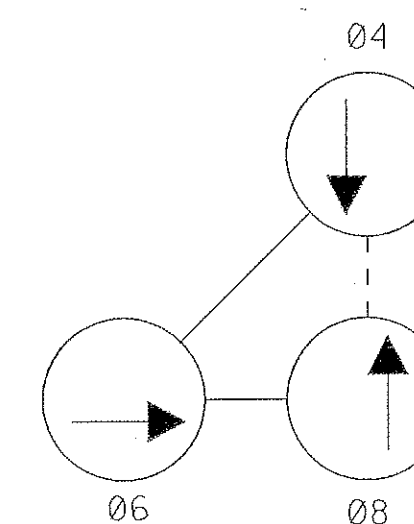
13  
R3-5R  
36" X 30"

10  
Bowie RD  
D 3-2  
VARIES X 16"

14  
36" X 75"  
ASSOCIATED  
SHIELD  
ASSEMBLY

### PROPOSED SIGNS

### NEMA PHASING



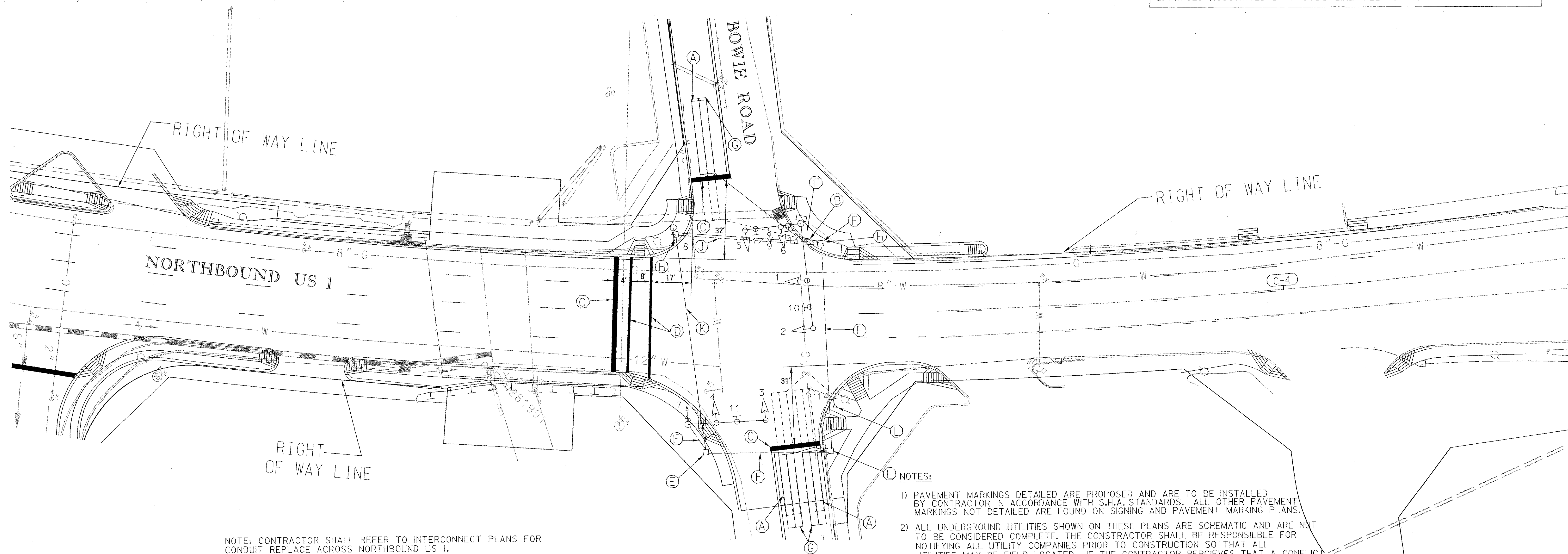
FLASHING  
OPERATION

ALTERNATE  
PHASE 4 & 8

PRE-EMPTION

#### NEMA PHASING NOTES

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



#### NOTES:

- 1) PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS. ALL OTHER PAVEMENT MARKINGS NOT DETAILED ARE FOUND ON SIGNING AND PAVEMENT MARKING PLANS.
- 2) ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE FIELD LOCATED. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.
- 3) GEOMETRICS SHALL BE CONFIRMED PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT.
- 4) LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- 5) CONTRACTOR SHALL REMOVE UNUSED CABLE FROM EXISTING CONDUIT.

### GEOMETRICS LEGEND

PROPOSED GEOMETRICS  
EXISTING GEOMETRICS

### LEGEND OF UTILITIES

WATER	W
GAS	G
UNDERGROUND TELEPHONE	T
SANITARY SEWER	S
UNDERGROUND ELECTRIC	E
AERIAL	A
STORM DRAIN	SD
SEWAGE FORCE MAIN	FM
CABLE TV	TV

### CONSTRUCTION DETAILS

- INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE (3-6-3) LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING.
- INSTALL 1" LIQUID TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE)
- INSTALL 24" WHITE PREFORMED PAVEMENT MARKING TAPE (STOP BAR).
- INSTALL 12" WHITE PREFORMED PAVEMENT MARKING TAPE (CROSSWALK).
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- ABANDON EXISTING DETECTOR.
- RESET HANDHOLE.
- INSTALL 3" SCHEDULE 80 ELECTRICAL CONDUIT (SLOTTED)
- CAP AND ABANDON EXISTING CONDUIT
- INSTALL SIGN ON 1-4"X4" WOOD POST



**KCI**  
TECHNOLOGIES INC.  
ENGINEERS AND PLANNERS  
10 NORTH PARK DRIVE  
HUNT VALLEY, MARYLAND  
21030-1888  
(410) 316-7800

REVISIONS		APPROVALS	
C	REVISED DUE TO NEW GEOMETRICS AND PAVEMENT MARKINGS (02/24/84)	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	ORIGINAL FILE
	11/99		
B	INSTALLATION OF PEDESTRIAN SIGNS AND PUSH BUTTONS, SOUTH LEG	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
A	INSTALL PRE-EMPTION ON EAST LEG OF INTERSECTION	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
3/93		DIRECTOR, TRAFFIC & SAFETY	



**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
US 1 OAK STREET TO TALBOTT AVENUE (MD 198)  
NORTHBOUND US RTE. 1 @ BOWIE ROAD

DRAWN BY:	F.A.P. NO.	SEE TITLE SH.	TS NO.	
CHECKED BY:	S.H.A. NO.	P-586-501-385	1631C	SHEET NO.
SCALE:	COUNTY:	PRINCE GEORGE'S	T.I.M.S. NO.	
DATE:	LOG MILE:	16000H3.50		121 of 162